



SigenStack

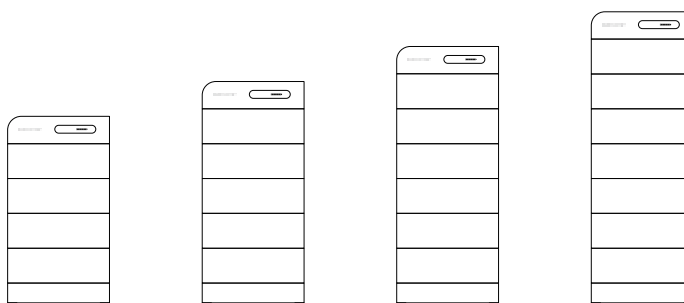
- Modular design, stackable installation, ultra-fast commissioning
- Pack-level safety protection, precise thermal runaway control
- Higher energy density, less footprint, easy site selection
- IP66 protection rating, free of regular & complex O&M

C&I Energy Storage System

SigenStack BC	M2-0.5C	M2-0.5C-BST ¹	M2-1C-BST ¹	Units
Max. output current (to inverter)		180		A
Max. input current (from inverter)		180		A
Operating voltage range		550 ~ 1100		V
Nominal charge/discharge current of battery	157	157	314	A
Weight	50	60	60	kg
Dimensions (W / H / D)		770 / 248 / 363		mm
Communication		CAN		
Compatible inverter	Sigen C&I Hybrid Inverter Series			

	SigenStack BAT 12.0		Units
Performance Specification			
Battery type	LiFePO4		
Cell capacity	314		Ah
Cycle life ²	10000		
Total energy capacity per module	12.06		kWh
Weight	105		kg
Dimensions (W / H / D)	770 / 300 / 363		mm
Nominal charge / discharge rate	0.5C		
Max. charge / discharge rate	1C		
System configuration quantity range	4 ~ 21		pcs
Max. system energy capacity	253		kWh

System General Data			
Fire suppression system	Aerosol, smoke sensor and exhausting system		
Max. operating altitude	4,000 (Derating at 2,000m)		m
Cooling	Smart air cooling		
System ingress protection rating	IP66		
Noise	< 70		dB
Operating temperature range	-20 ~ 55		°C
Relative humidity range	0% ~ 100%		
Max. number of modules per stack	7		pcs
Max. number of modules per system	21		pcs
Dimensions of base (W / H / D)	770 / 195 / 363		mm
Installation method	Floor standing		



	4	5	6	7	Units
Number of battery modules	4	5	6	7	pcs
Total energy capacity	48.24	60.3	72.36	84.42	kWh
Total weight	500	605	710	815	kg
Total height (with base and SigenStack BC)	1,643	1,943	2,243	2,543	mm
Total width	770				mm
Total depth	363				mm

- When the number of battery modules in a system ≤ 19, or in the case of PV + ESS (DC coupling) projects, the battery controller should always utilize the 'BST' model.
- This is provided by the battery cell manufacturer. Based on cell test condition of 25±2°C, 0.5C charge and discharge rate and SOH=60%.
- This document reflects current technology and is subject to change without notice. Refer to the Sigenenergy website for the latest information.



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